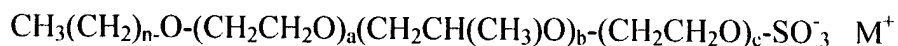


We claim:

1. A sulfated bi-modal composition, which comprises:

(a) between 10% and 50% by weight of an emulsifier which conforms to the following structure:



wherein;

n is an integer ranging from 5 to 19;

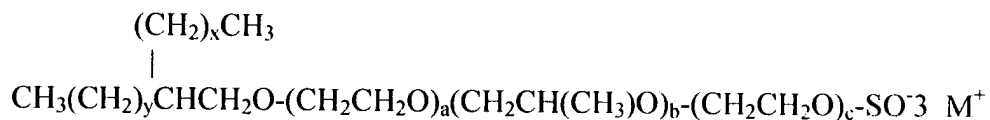
a, b, and c are independently each integers ranging from 0 to 20;

M is a group needed as a counter ion and selected from the group consisting of

Na, K, Ca, Mg, NH₄ and N-(CH₂CH₂OH)₃,

and

(b) between 90% and 50% of an emulsifier which conforms to the following structure:



wherein;

y is an integer ranging from 5 to 19, and is equal to n;

x is an integer ranging from 3 to 17 with the proviso that $x = y + 2$

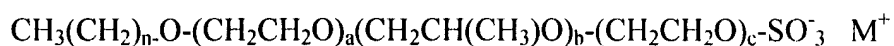
M is a group needed as a counter ion and selected from the group consisting of

Na, K, Ca, Mg, NH_4 and $\text{N}-(\text{CH}_2\text{CH}_2\text{OH})_3$.

a, b, and c are independently each integers ranging from 0 to 20.

2. A sulfated bimodal composition of claim 1 wherein n is 5, x is 3 and y is 5.
3. A sulfated bimodal composition of claim 1 wherein n is 9, x is 7 and y is 9.
4. A sulfated bimodal composition of claim 1 wherein n is 7, x is 5 and y is 7.
5. A sulfated bimodal composition of claim 1 wherein n is 11, x is 9 and y is 11.
6. A sulfated bimodal composition of claim 1 wherein n is 19, x is 17 and y is 19.
7. A sulfated bimodal composition of claim 1 wherein M is Na.
8. A sulfated bimodal composition of claim 1 wherein M is K.
9. A sulfated bimodal composition of claim 1 wherein M is NH_4 .
10. A sulfated bimodal composition of claim 1 wherein M is Ca.
11. A sulfated bimodal composition of claim 1 wherein M is Mg.
12. A process for making an emulsion, which comprises mixing;
 - (1) between 1% and 50% by weight of a water insoluble oil,
 - (2) between 98% and 35% waterand
 - (3) between 1% and 15% by weight of sulfated bi-modal emulsifier compositions,which comprises:

(b) between 10% and 50% by weight of an emulsifier which conforms to the following structure:



wherein;

n is an integer ranging from 5 to 19;

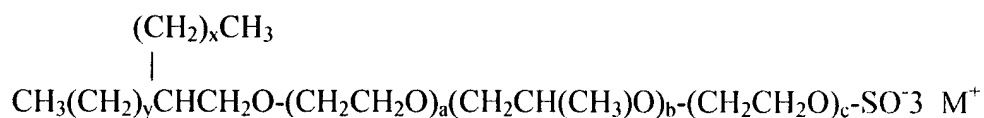
a, b, and c are independently each integers ranging from 0 to 20;

M is a group needed as a counter ion and selected from the group consisting of

Na, K, Ca, Mg, NH₄ and N-(CH₂CH₂OH)₃.

and

(b) between 90% and 50% of an emulsifier which conforms to the following structure:



wherein;

y is an integer ranging from 5 to 19, and is equal to n;

x is an integer ranging from 3 to 17 with the proviso that $x = y+2$;

M is a group needed as a counter ion and selected from the group consisting of

Na, K, Ca, Mg, NH₄ and N-(CH₂CH₂OH)₃;

a, b, and c are independently each integers ranging from 0 to 20.

13. A process of claim 12 wherein n is 5, x is 3 and y is 5.
14. A process of claim 12 wherein n is 9, x is 7 and y is 9.
15. A process of claim 12 wherein n is 7, x is 5 and y is 7.
16. A process of claim 12 wherein n is 11, x is 9 and y is 11.
17. A process of claim 12 wherein n is 19, x is 17 and y is 19.
18. A process of claim 12 wherein M is Ca.
19. A process of claim 12 wherein M is Mg.